SPECIFICATION

TURNTABLE	MOTOR	DIRECT DRIVE QUARTZ	
	STARTING UP TIME	0.5sec(33 1/3rpm)70 °	
	STARTING TORQUE	2.7kg•cm	
	BRAKING SYSTEM	ELECTRONIC BRAKE	
	SPEED	33 1/3rpm,45rpm	
	PITCH	±60%	
	WOW & FLUTTER	0.07% W.R.M.S	
TONEARM	TYPE	DYNAMIC BALANCE STRAIGHT TONEARM	
	STYLUS PRESSURE	ADJUSTMENT RANGE 0～4.0g	
MIXER	INPUT	NOMINAL INPUT LEVEL	IMPEDANCE
	LINE	-10dBv	10kΩ
	OUTPUT	NOMINAL OUTPUT LEVEL	IMPEDANCE
	MASTER	-10dBv	220Ω
	PHONES	58mW MAX(@47Ω)	≧8Ω
	FREQUENCY RESPONSE	25Hz～25kHz	
	CROSSTALK	≧100dB	
	THD	＜0.01%	
	S/N RATIO	≧75dB	
OTHER	DIMENSIONS(W×H×D)	455×130×524(mm)	
	WEIGHT	7.0kg	

Vestax

Creative Musical Interface

QFO

OWNER'S MANUAL

NOTE

1.VESTAX insulater is needed (not included) when the QFO is placed horizontaly to suppress howling under high volume use.

2.VESTAX QFO strap hook(not included) will be needed when playing the QFO strapped around shoulder or hip.

※Attachment instructions are shown on page 16

THUD RUMBLE

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1-18-6 Wakabayashi, Setagaya-ku, Tokyo 154-0023 Japan
Phone 03-3412-7011 Fax 03-3412-7013
Web : www.vestax.com

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Web : www.vestax.co.uk

Vestax Europe Technical Support
Rheinstr.213 D-53332 Bornheim Germany
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JUL.2004 QFOE①

CONGRATULATIONS !

Thank you for purchasing the Vestax QFO Creative Musical Interface. We suggest that you read through this owner's manual thoroughly so that you may enjoy the full use of this product safety and in the knowledge of all its special features and suitablyapplications.

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SPECIFICATION 16

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

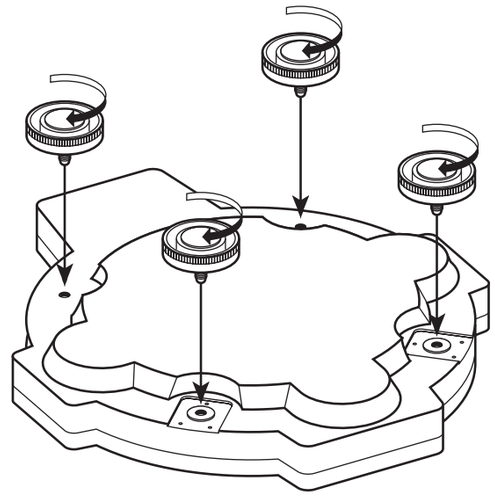
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated " dangerous voltage " within the product's enclosure that may be of sufficient magnitude to consitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

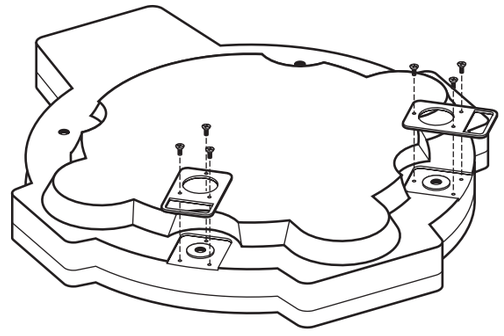
How to attach insulater

When the machine is placed horizontaly to suppress howling under high volume use, attach VESTAX insulater(not included) on 4 sections of the bottom of the body as shown below.



How to attach QFO hook

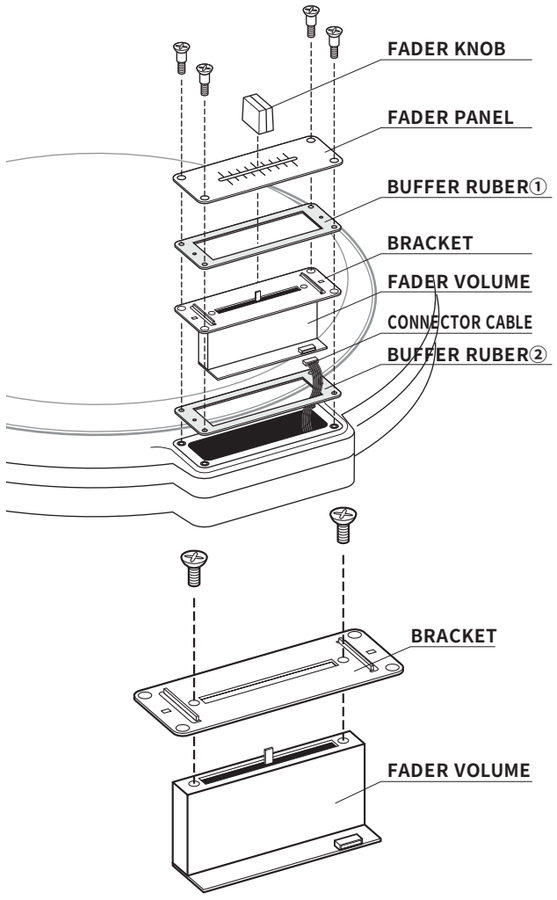
In use of the QFO strapped around shoulder or hip, attach VESTAX QFO hook(not included) to the 2 sections of the bottom of the body as shown below.



EXCHANGE THE FADER UNIT

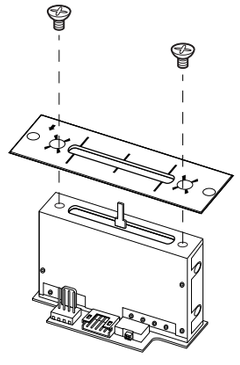
①Remove the 4 screws which fix the fader unit, and remove the fader unit from position in this unit.
②Raise fader unit and remove both the surface fader panel and the buffer rubber below the panel.
③Carefully remove the multi-cable connector from the fader unit.
④Remove the fader knobs.
⑤Remove the bracket which is screwed to fader volume from the removed fader unit. (see the right picture)
⑥Fix the bracket to the new fader unit in the way of reverse process.
⑦Attach multi-cable connector to new fader unit.
⑧Position the fader unit carefully and secure with screws.

NOTE
The buffer rubber is very important part to avoid the stylus skip. Be careful not to lose it when you change fader unit. When you change to new fader unit, please fix the buffer rubber properly.



【Instructions for cross fader “ CF-CPV ” replacement】

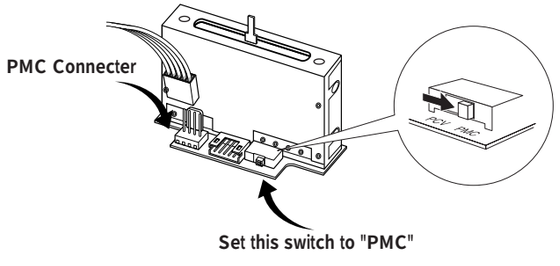
①Unscrew the two screws on the CF-PCV panel and volume as it is shown below



②Set the change switch of the CF-PCV to PMC

③Connect the QFO bracket to the CF-PCV fader volume

NOTE
CF-PCV has to types of connectors but connect it to the PMC connector as shown below



IMPORTANT SAFEGUARDS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1.Read instructions-All the safety and operating instructions should be read before the appliance is operated.
2.Retain instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4.Follow Instructions-All operating and use instructions should be followed.
5.Cleaning-Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6.Attachments-Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7.Water and Moisture-Do not use this product near water-for example, near a dath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8.Accessories-Do not place this product on an unstable cart, stand, tripod, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart,. stand, tripod, bracket, or table recommended by the manufacturer, or sold with product. Any mounting of the appliance should follow the manufacturer's instructions, and sholud use a mounting accessory recommended by the manufacturer.
9.Ventilation-Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placting the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10.Power sources-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
11. Grounding or Polarization-This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This piug will fit into the power outlet only one way. This is safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If this should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12.Power-Cord Protection-Power supply cords should be routed so that they are not likely to be walked on or pinched by intems placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13.Protective Attachment Plug-The appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
14.Lightning-For added protection for this product during lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
15.Overloading-Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16.Object and Liquid Entry-Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
17. Servicing-Do not attempt to service product yourself as opening or removing covers may expose you to dangerrous voltage or other hazards. Refer all servicing to qualified sersonnel.
18. Damage Requiring Service-Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
a. When the power-supply cord or plug is damage.
b. If liquid has been spilled or objects have fallen into the product.

c. If the product has been exposed to rain or water.
d. If the product dose not operate normally by following the operating instructions. Adjust only those controls that are coverd by the operating instructions as an improper adjustment of other, controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e. If the product has been dropped or cabinet has been damaged.
f. When the product exhibits a distinct change in perfromance-this indicates need for service.

19. Replacement Parts-When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characterristics as the original parts. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. Safety Check-Upon completion of any service or repairs to product, ask the service technician to perfrom sefety checks to determine that the product is in proper operating condition.
21. Carts and Stands-The appliance should be used only with a cart stand that is recommended by manufacturer.
22. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

FEATURES

- This is the very first model designed by Q-BERT which has DJ Mixer and Turntable in one united body.
- The " Dynamic Balance A.S.T.S. " allows the needle to trace the groove at any angle with no skipping or tracing error.
- The heart of machine, motor has proven its high stability and reliability in Vestax PDX-2000series. The motor is our original high torque direct drive.
- Vestax PMC-05 PROs reliable circuitry is loaded
- Spin slide pitch controller placed around the platter(MAX ±60%).Linking pitch moves and scratches are possible.

OPERATION OF RECORD

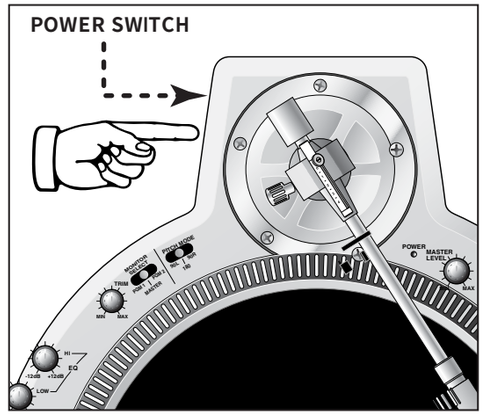
①Place a record on the slip mat.
②Turn power switch to "ON" position.
③Remove stylus protector if applicable.
④Select the input select switch to "phono".
⑤Select appropriate rotation speed. (33/45rpm)
⑥Push Start/Stop Switch to start rotation.
⑦Carefully place tonearm on the record.
⑧Adjust the each level volume.
⑨Replace tonearm to rest position after play has finished.
⑩Press Start/Stop Switch to stop rotation.
⑪Turn power switch to "OFF" position.

MEMO
If you select "PHONO" for both program channels, reproduced sound of record is assigned to each channel. For example, if you squeeze EQ of PGM1 and fix EQ of PGM at the center level and at the same time using Cross Fader with Input Level Volume of both program channels risen, it enables the mixing/changing of EQ adjusted reproduced sound and non-adjusted reproduced sound.

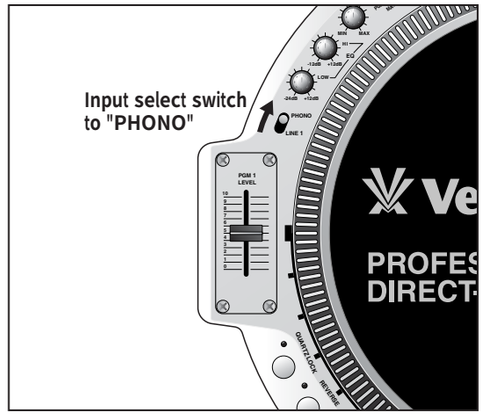
NOTE
If the power switch is turned off without pressing the START/STOP Switch, the electric brake will not function.

PLAYING EP RECORDS

Fit the EP adaptor over the center spindle and follow the same playing instructions as written above.



図a

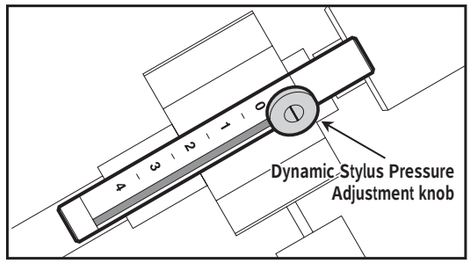


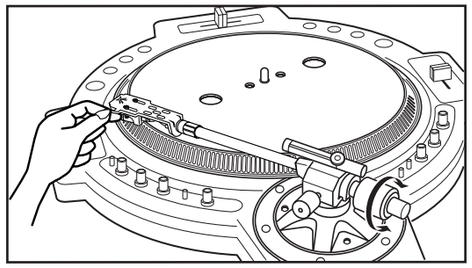
ADJUSTMENT

NOTE
Be careful not to touch your finger to the stylus tip during the adjustment.

Adjustment of Horizontal Zero(0) Balance

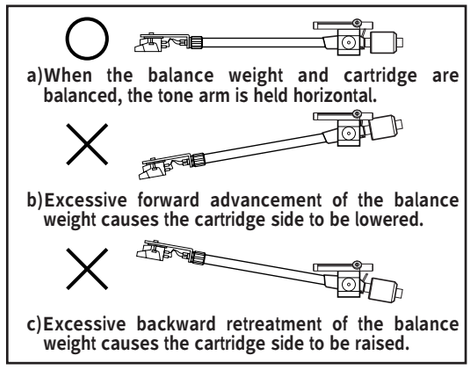
①Install the cartridge, headshell and balance weight to the tonearm.
②Adjust the dynamic stylus pressure knob ob the tonearm to Zero.
③Carefully release the tone arm from the tone arm clamp.





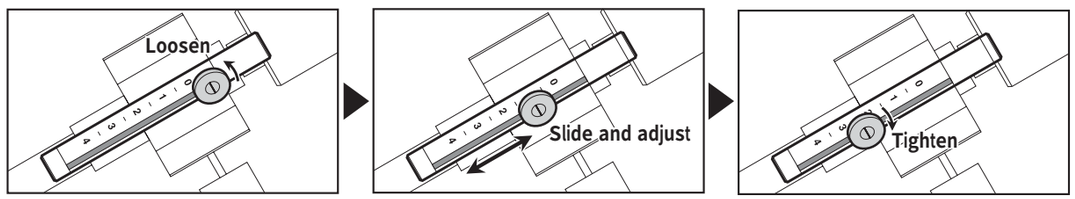
④Turn the balance weight clockwise or counterclockwise until balanced horizontally.

NOTE
In case the balanceweight is moved, do the adjustment of horizontal zero balance again.


a)When the balance weight and cartridge are balanced, the tone arm is held horizontal.
b)Excessive forward advancement of the balance weight causes the cartridge side to be lowered.
c)Excessive backward retreatment of the balance weight causes the cartridge side to be raised.

⑤Return the tonearm to the armrest.
⑥Loosen the dynamic Stylus pressure adjustment knob and pull it to the position with appropriate needle pressure, tighten the knob.

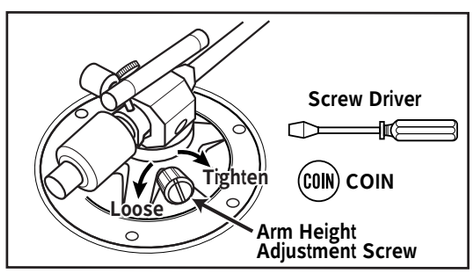
NOTE
Exceeding stylus pressure recommendations may couse skipping and/ or reduce stylus life.



Adjustment of Tone-arm Height

In case of the height of Tone-arm is needed for adjustment, it is possible to adjust the height by loosening the Tone-arm Height Fixed Screw. The adjustment range is 9mm at the maximum. In case of 16mm cartridge height → Adjustment of tone-arm height do not need. In case of 25mm cartridge height → Adjustment of tone-arm height need to set 9mm(MAX).

NOTE
Be sure to tighten the Tonearm Height Screw well. The stylus may jump/skip if the height setting is not secured.



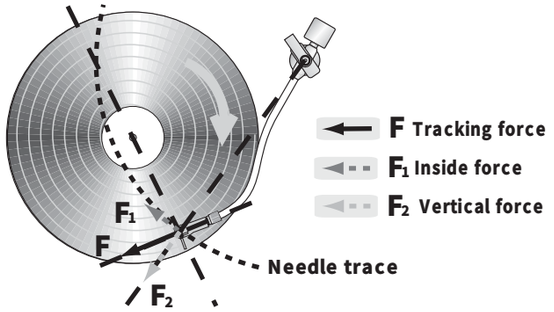
A.S.T.S(Anti Skipping Tone-arm System)

A.S.T.S(Anti Skipping Tone-arm System) has been developed with years of experience and a number of trials, searching for the innovative tone-arm for professional DJ's.This system breaks all of the historic common sense, achieving its non skipping performance in hard scratching. A.S.T.S consists of two inventions, short/straight arm and TH (Tracing Hold) balance system.

●**TH balance system gives horizontal movement in addition to vertical. This movement gives much more stable balance (vertical direction) to the needle. The combination of short / straight arm and TH balance system gives the best stability to the needle, which enables anti-skipping in hard scratching.**

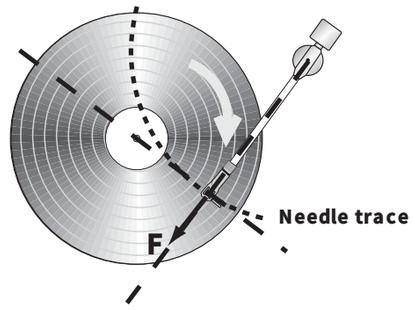
●**The brass arm with aluminum cover is used for A.S.T.S . This combination results in the best pick up sensitivity as well as the best resistance to howling. This new tone-arm allowed A.S.T.S to increase the resistance against the howling by over 50% compared to the normal aluminum arm.**

NORMAL TYPE TONE-ARM



F (Tracking force) **generates inside force.**

A. S. T. S



No inside force is generated.

BEFORE USE

Parts and accessories

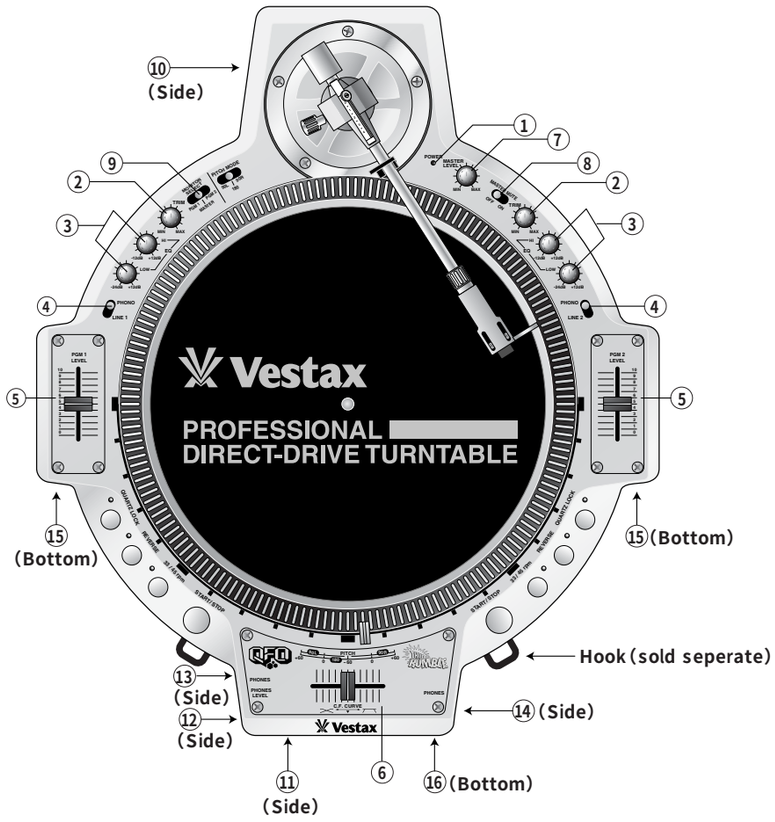
Before use, please check that you have all parts.
- Main unit
- Platter
- Split mat
- Head shell
- Balance weight

※Accesories accompanying this booklet.
- Shell weight
- EP adapter
- Platter screws
- Screw driver for platter screw
- Owner's manual

FUNCTIONS

■MIXER SECTION

TOP PANEL



TOP

①POWER INDICATOR
Lights up when the POWER SWITCH is on.

②TRIM VOLUME
Adjusts the input level of each channel. Set INPUT FADER to 7-8 position; adjust the TRIM so that the sufficient signal is fed without distortion.

③EQ VOLUME
Adjusts the HI and LOW frequencies for each PGM hannel.

④PHONO/LINE SELECT SWITCH
Used to select the input (LINE or PHONO) to be sent to each PGM channel. When it is selected "PHONO", it is assigned the signal of record of this unitIt can also be used for TRANSFORMER SCRATCH. Its operational direction is selectable. You can change the direction by removing the top panel. If you select "PHONO" for both PGM1 and 2, reproduced sound of record is assigned to each program channel.

⑤INPUT FADER (PGM1/PGM2)
Used to adjust input level of each PGM channel. This is a detachable fader for ease of replacement. Replace with IF-Q when it is worn out. Please see the "EXCHANGE THE FADER UNIT" section of this manual.

⑥CROSS FADER
When the input level of PGM1 and PGM2 are properly set, PGM1 will be heard with the crossfader set to the left side. PGM2 will be heard with the cross fader set to the right side. When the crossfader is set in the center, both programs will be heard. This is detachable fader for the ease of replacement with "CF-PCV" when it is

INSTALLATION AND CONNECTION

Player Installation

- Do not place the unit where it is exposed to direct sun light, high temperature of humidity to prevent possible troubles.
- Place the unit in a stable and horizontal position, where there is little or no vibration.
- ocate the unit as far away from the speakers as possible and isolate the unit from sound radiation from them.
- If the unit is placed too close to the radio, interference to AM/FM reception may result

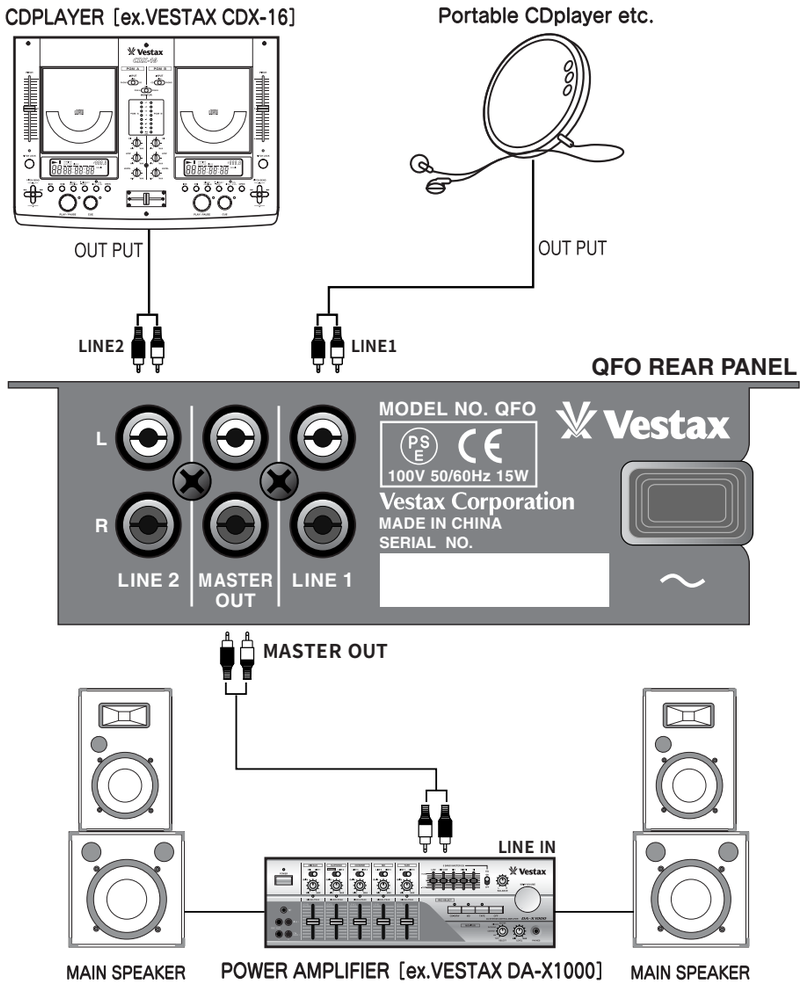
Power Connection

Connect the AC power cord to suitable outlet.

NOTE
This unit has been manufactured to fit strict quality and safety standards. **PLEASE ENSURE** that you use the correct power supply as shown on the rear panel of this device. **FAILURE** to do so many result in shock and/or serious damage to this unit and/or users.

Connect to line input/AUX input on your mixer/pre-amp.

Connection To Input



Slip mat

Place the slip mat on the platter. Then place a record on top of the slip mat. By using a slip mat, it becomes possible to stop a record board by hand during rotation of a platter or to make it reverse. Moreover, if an optional slip-sheet is set and used, it will take effect more.

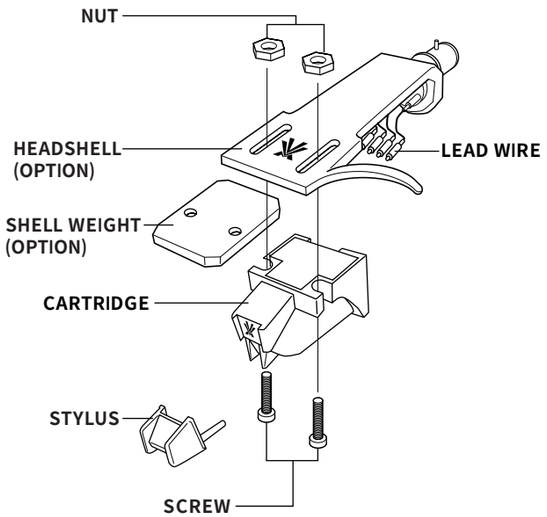
Cartridge Installation

(1)Make sure that you follow the instructions included with your cartridge.
(2)Connect the lead wires to the respective terminals. Industry standard cartridges come with color-coded wires. Make sure that you match these colors correctly.

Red (R+) Right Channel+ Green (R-) Right Channel -
White (L-) Left Channel+ Blue (L-) Left Channel -

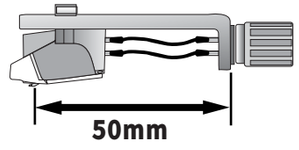
NOTE
If using a lightweight cartridge, we suggest the use of the shell weight enclosed.

Top:Record disc side(Printed side)
Bottom:Slip surface side

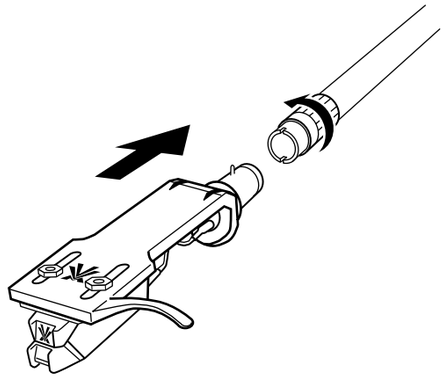


(3)The overhang of your cartridge needs to be adjusted to best suit the A.S.T.S tone arm. For best tracking and stylus pressure a distance of 50mm (as shown) should be set.

NOTE
To avoid premature damage to the stylus take care to avoid touching it during any adjustment(s).



(4)Insert the head shell into the front part of the tone arm. Turn the looking ring in the direction shown below until the head shell is firmly fixed in place.



worn out. Please see the "EXCHANGE THE FADER UNIT" section of this manual.

⑦**MASTER LEVELVOLUME**
Adjusts the signal level outputs from MASTER OUT.

⑧**MASTER MUTE SWITCH**
This is the switch which mutes the output sound signal from MASTER OUT jack of the rear panel. If you turn the switch on, the output will be muted.

⑨**MONITOR SELECT SWITCH**
This switch is used to select the way of monitoring from following.
PGM1····· It allows you to hear input signal of PGM1.
MASTER ·· It allows you to hear the signal of MASTER OUT.
PGM2····· It allows you to hear input signal of PGM2.

SIDE

⑩**POWER SWITCH**
Use to turn power on.

NOTE
This switch should be turned on after you have turned off all input devices and before you turn on any devices attached to output.

⑪**C.F. CURVE SWITCH**
Select the cross fader curve. When this switch is slide to right side it gives a steep cross fader good for scratching and cutting. When sliding to the left side it gives a gentle cross fader good for long running mixes.

⑫**PHONES LEVEL VOLUME**
Adjusts the headphone monitor level.

⑬**PHONES2 JACK -MINI JACK(φ3.5)**
Connect the headphones with a 1/8" mini headphone plug. (the impedance of 8ohm to 600ohm)

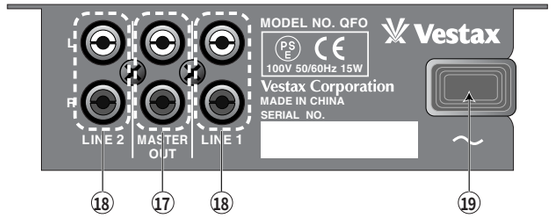
⑭**PHONES1 JACK -PHONE JACK(φ6.3)**
Connect the headphones with a standard 1/4" stereo plug. (the impedance of 8ohm to 600ohm)

BOTTOM

⑮**I.F. REVERSE SWITCH**
Reverses the action of the input fader by marking the zero point top instead of bottom.

⑯**C.F. REVERSE SWITCH**
Reverses the action of the cross fader by switching PGM1 and 2.

REAR PANEL



REAR PANEL

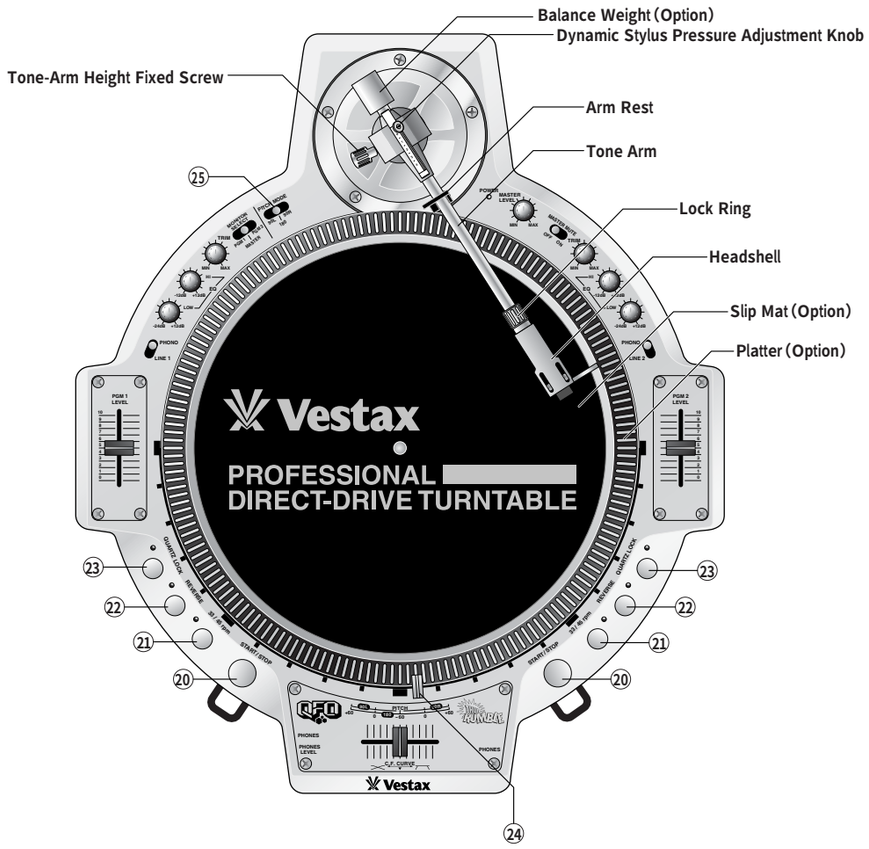
⑰**MASTER OUT JACK**
Connect to the line/AUX input of power amplifier/mixer.

⑱**LINE INPUT JACK**
Connect the equipment with line level output (-10dB or 0dB), such as CD players, tape decks, DATs, MDs, etc. The signal from line level equipment is fed to the PGM channels when Line input is selected.

⑲**AC POWER CODE**
Connect the AC power cord to suitable outlet.

NOTE
This unit has been manufactured to fit strict quality and safety standards. **PLEASE ENSURE** that you use the correct power supply as shown on the rear panel of this device. **FAILURE** to do so many result in shock and/or serious damage to this unit and/or users.

■TURNTABLE SECTION



⑳**START/STOP SWITCH**
It is started/stopped the platter every push.

㉑**33/45 (33/45rpm) SELECT SWITCH**
Select the playing speed to either 33 1/3 or 45rpm.
When the indicator LED is lit, it is selected 33rpm.

㉒**REVERSE SWITCH**
When pushed, this switch will instantly reverse the playing direction of the platter. In reverse mode, an indicator LED will be on. When the unit is first turned on, the platter is set to spin in the normal forward direction.

㉓**QUARTZ LOCK SWITCH**
When this switch is on, the indicator LED is lit.When this switch is on, the speed will become pre-determined one even the Pitch Control Volume not in the 0% position.

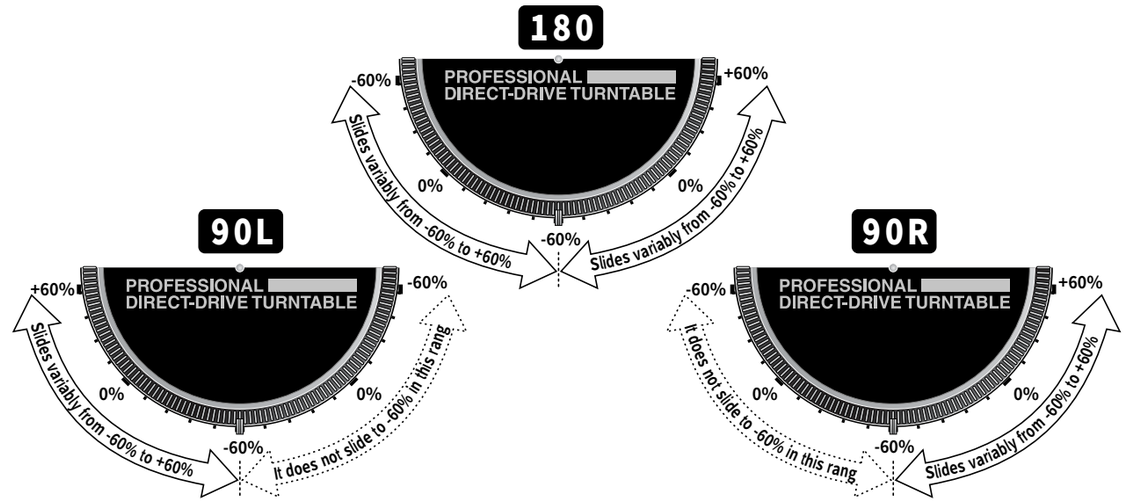
㉔**PITCH CONTROL VOLUME**
This volume is for adjusting the pitch.
1.When the Quartz Lock is off, the pitch can be adjusted.
2.When moving the Pitch Control Volume, you can adjust the revolutions by ±60%.

㉕**PITCH MODE SELECT SWITCH**
Select the mode of the pitch control. The mode is as below.
1.When pressing the quartz lock button, quartz lock is off. (the indicator lamp is off)
2.When moving the Pitch Control Volume, you can adjust the revolutions as bellows.

90L:The position of 9 o'clock is +60% and that of 6 o'clock is -60%. It changes from +60% to -60% counter clockwise. Between 6 o'clock and 3 o'clock, it is fixed at -60% and unchanged.

180:The position of 3 o'clock is +60%, 6 o'clock is -60% and 9 o'clock is +60%. The rotation pace is changeable.

90R:The position of 3 o'clock is +60% and that of 6 o'clock is -60%. It changes from +60% to -60% clockwise. Between 6 o'clock and 9 o'clock, it is fixed at -60% and unchanged.

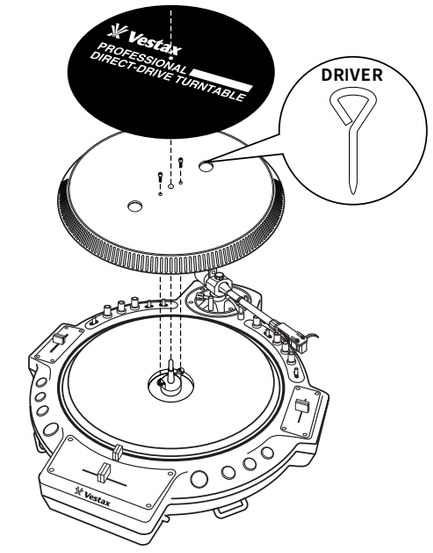


ASSEMBLY AND SET-UP

Turntable Assembly

(1)Place the platter on the center spindle. The platter will adjust itself to best fit over the spindle.
(2)Adjust the positioning of a platter so that a screw goes into a screw holes.
(3)Tighten screws using a driver and fix a platter and a main unit.
(4)Place the slip mat on the platter.

NOTE
In case of an assembly, be careful so that a main unit and a platter do not collide strongly.
If the player is operated without fixing the screws, the platter may not rotate properly.
Do not plug into a power outlet until this unit is fully assembled and adjusted.



Installing the Balance Weight

From the backend of the tone arm (towards the rear panel) place the balance weight onto the shaft and turn counter clockwise. (Refer to the illustration)